

What is claimed is:

1. A grinding wheel comprising an annular base and a grinding stone means mounted on the under surface of the base, wherein<sup>14</sup>  
5 a coolant pool which is open inward in a radial direction is formed in the inner surface of the base.
2. The grinding wheel of claim 1, wherein the coolant pool extends continuously in a circumferential direction.
- 10 3. The grinding wheel of claim 1, wherein the coolant pool is defined between an upper inclined surface which inclines downwardly outward in the radial direction and a projecting surface which extends substantially horizontally<sup>20</sup> and outward in the radial direction below the upper inclined surface.
- 15 4. The grinding wheel of claim 1, wherein a plurality of communication notches<sup>30</sup> or communication holes which communicate with the coolant pool from the top surface of the base are formed at predetermined intervals in the circumferential direction.
- 20 5. The grinding wheel of claim 1, wherein the base has a lower inclined surface which inclines downwardly outward in the radial direction below the projecting surface.<sup>28</sup>
- 25 6. The grinding wheel of claim 1, wherein the grinding stone means is composed of a plurality of grinding stones<sup>36</sup> which extend in an arc form in the circumferential direction and are spaced apart from one another in the circumferential direction.
- 30 7. The grinding wheel of claim 1, wherein a plurality of coolant guide grooves<sup>62</sup> which extend from the coolant pool to
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the grinding stone means are formed in the inner surface and the under surface of the base at predetermined intervals in the circumferential direction.

5 8. The grinding wheel of claim 7, wherein the coolant guide grooves extend from the coolant pool toward the grinding stone means and are inclined toward one side in the circumferential direction.

10 9. The grinding wheel of claim 7, wherein the grinding stone means is composed of a plurality of grinding stones which extend in an arc form in the circumferential direction and are spaced apart from one another in the circumferential direction, and the coolant guide grooves  
15 are formed correspondingly to the grinding stones.

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